CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. 69. (Canceled)
- 70. (New) A method comprising:
- generating, at a video server, a frame index for a video stream, the frame index comprising a plurality of frame index entries corresponding to a plurality of frames of the video stream;
- receiving, at the video server, a first presentation request for the video stream from a display client via a network, the video server remote to the display client;
- determining, at the video server, a first subset of frames of the plurality of frames and a first presentation sequence for the first subset of frames based on the frame index in response to the first presentation request; and
- transmitting the first subset of frames having the first presentation sequence to the display client via the network.
- 71. (New) The method of claim 70, wherein each frame index entry of the plurality of frame index entries comprises an identifier of a frame type of a corresponding frame.
- 72. (New) The method of claim 71, wherein each frame index entry further comprises an offset value identifying a starting location of data representative of the corresponding frame within a file representative of the video stream and a size value representative of a size of the data representative of the corresponding frame.
 - 73. (New) The method of claim 70, wherein generating the frame index comprises: receiving, at the video server, an encoded data stream representative of the video stream; processing, at the video server, the encoded data stream to identify each frame of the video stream; and

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- generating, at the video server, a frame index entry of the frame index for each frame identified during processing; and
- storing the encoded data stream.
- 74. (New) The method of claim 70, wherein generating the frame index comprises: receiving, at the video server, an unencoded data stream representative of the video stream;
- encoding, at the video server, the unencoded data stream to generate an encoded data stream representative of the video stream; and
- generating, at the video server, a frame index entry of the frame index for each identified frame of the encoded video stream; and
- storing the encoded video stream.
- 75. (New) The method of claim 70, further comprising:
- receiving, at the video server, a second presentation request for the video stream from the display client via the network;
- determining, at the video server, a second subset of frames of the plurality of frames and a second presentation sequence for the second subset of frames based on the frame index in response to the second presentation request; and
- transmitting the second subset of frames having the second presentation sequence to the display client via the network.
- 76. (New) The method of claim 75, wherein the first presentation request comprises a request for a fast forward playback and the second presentation request comprises a request for a fast reverse playback.
- 77. (New) The method of claim 75, wherein the first presentation request comprises a request for a fast forward playback at a first rate and the second presentation request comprises a request for a fast forward playback at a second rate, the second rate greater than the first rate.

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- 78. (New) The method of claim 77, wherein the first subset of the plurality of frames includes only intra-coded frames and forward-predicted frames and the second subset of the plurality of frames includes only intra-coded frames.
 - 79. (New) The method of claim 70, further comprising:
 - receiving, at the video server, a second presentation request for the video stream from the display client via the network, the second presentation request comprising a presentation request for a normal playback of the video stream;
 - determining, at the video server, a second presentation sequence for the plurality of frames based on the frame index in response to the second presentation request; and
 - transmitting at least a portion of the plurality of frames having the second presentation sequence to the display client via the network.
- 80. (New) The method of claim 79, wherein the first presentation request comprises one of a request for a fast-forward playback or a request for a fast-reverse playback.
 - 81. (New) The method of claim 70, further comprising:
 - receiving, at the display client, user input indicating a requested playback of the video stream, the requested playback comprising one of a fast-forward playback or a fast-reverse playback;
 - generating, at the display client, the first presentation request based on the user input; transmitting the first presentation request from the display client to the video server via the network;
 - receiving, at the display client, the first subset of frames having the first presentation sequence; and
 - processing, at the display client, the first subset of frames for display in a display sequence based on the first presentation sequence.
- 82. (New) The method of claim 81, wherein the first subset of frames is represented by encoded data and processing the first subset of frames comprises decoding the encoded data.

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- 83. (New) The method of claim 70, further comprising:
- for each frame of at least a portion of the first subset, modifying a presentation time stamp of the frame based on the first presentation sequence prior to transmitting the frame to the display client.
- 84. (New) A method comprising:
- receiving, at a display client, user input indicating a requested playback of a video stream having a plurality of frames, the requested playback comprising one of a fastforward playback or a fast-reverse playback;
- generating, at the display client, a presentation request based on the user input;
- transmitting the presentation request from the display client to a video server via a network, the video server remote the display client;
- receiving, at the display client, a subset of the plurality of frames having a presentation sequence based on the requested playback from the video server via the network; and
- processing, at the display client, the subset of the plurality of frames for display in a display sequence based on the presentation sequence.
- 85. (New) The method of claim 84, wherein the first subset of frames is represented by encoded data and processing the first subset of frames comprises decoding the encoded data.
- 86. (New) The method of claim 84, wherein the subset of the plurality of frames includes only intra-coded frames and forward-predicted frames.
- 87. (New) The method of claim 84, wherein the subset of the plurality of frames includes only intra-coded frames.
 - 88. (New) A system comprising:
 - a video server coupled to a network, the video server comprising:
 - a recording module to generate a frame index for a video stream, the frame index comprising a plurality of frame index entries corresponding to a plurality of frames of the video stream:

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- an interface coupled to the network, the interface to receive a first presentation request for the video stream from a display client via the network, the video server remote to the display client;
- a presentation control to determine a first subset of frames of the plurality of frames and a first presentation sequence for the first subset of frames based on the frame index in response to the first presentation request; and the interface further to transmit the first subset of frames having the first presentation sequence to the display client via the network.
- 89. (New) The system of claim 88, wherein each frame index entry of the plurality of frame index entries comprises an identifier of a frame type of a corresponding frame.
- 90. (New) The system of claim 89, wherein each frame index entry further comprises an offset value identifying a starting location of data representative of the corresponding frame within a file representative of the video stream and a size value representative of a size of the data representative of the corresponding frame.
- 91. (New) The system of claim 88, wherein the recording module is to generate the frame index by:

receiving an encoded data stream representative of the video stream; processing the encoded data stream to identify each frame of the video stream; and generating a frame index entry of the frame index for each identified frame; and storing the encoded data stream at the video server.

92. (New) The system of claim 88, wherein the recording module is to generate the frame index by:

receiving an unencoded data stream representative of the video stream; encoding the unencoded data stream to generate an encoded data stream representative of the video stream; and

generating a frame index entry of the frame index for each identified frame of the encoded video stream; and

storing the encoded video stream at the video server.

- 93. (New) The system of claim 88, further comprising:
- receiving, at the video server, a second presentation request for the video stream from the display client via the network;
- determining, at the video server, a second subset of frames of the plurality of frames and a second presentation sequence for the second subset of frames based on the frame index in response to the second presentation request; and
- transmitting the second subset of frames having the second presentation sequence to the display client via the network.
- 94. (New) The system of claim 93, wherein the first presentation request comprises a request for a fast forward playback and the second presentation request comprises a request for a fast reverse playback.
- 95. (New) The system of claim 93, wherein the first presentation request comprises a request for a fast forward playback at a first rate and the second presentation request comprises a request for a fast forward playback at a second rate, the second rate greater than the first rate.
- 96. (New) The system of claim 95, wherein the first subset of the plurality of frames includes only intra-coded frames and forward-predicted frames and the second subset of the plurality of frames includes only intra-coded frames.
 - 97. (New) The system of claim 88, wherein
 - the interface further is to receive a second presentation request for the video stream from the display client via the network, the second presentation request comprising a presentation request for a normal playback of the video stream;
 - the presentation control further is to determine a second presentation sequence for the plurality of frames based on the frame index in response to the second presentation request; and
 - the interface further is to transmit at least a portion of the plurality of frames having the second presentation sequence to the display client via the network.

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- 98. (New) The system of claim 97, wherein the first presentation request comprises one of a request for a fast-forward playback or a request for a fast-reverse playback.
 - 99. (New) The system of claim 88, further comprising:
 - a display client coupled to the network, the display client to:
 - receive user input indicating a requested playback of the video stream, the requested playback comprising one of a fast-forward playback or a fastreverse playback;

generate the first presentation request based on the user input;
transmit the first presentation request to the video server via the network;
receive the first subset of frames having the first presentation sequence; and
process the first subset of frames for display in a display sequence based on the
first presentation sequence.

- 100. (New) The system of claim 99, wherein the first subset of frames is represented by encoded data and processing the first subset of frames comprises decoding the encoded data.
 - 101. (New) The system of claim 88, wherein:
 - the presentation control is further to, for each frame of at least a portion of the first subset, modify a presentation time stamp of the frame based on the first presentation sequence prior to transmission of the frame to the display client.

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